Journal of Controlled Release, 21 (1992) 215
© 1992 Elsevier Science Publishers B.V. All rights reserved 0168-3659/92/$05.00

Subject Index Volume 21

Absorption (21) 63
Absorption enhancer (21) 49, 173
Antagonist (21) 73

Bioanalysis (21) 37
Biodegradable polymers (21) 129
Blood-brain barrier (21) 81, 93
Buccal delivery (21) 155

Caco-2 (21) 49
Cholecystokinin (21) 73
Ciliary beat frequency (21) 173
Compression moulding (21) 129
Controlled release (21) 129
Corticosteroids (21) 105
Crown ether (21) 139

Degradation (21) 11
Delayed release (21) 191
Dimethyl-β-cyclodextrin (21) 173

Endothelial cell (21) 81
Enkephalin (21) 63
Estrogen (21) 105
Extraction techniques (21) 37

Hydrolysis (21) 63

Implants (21) 129
In vitro absorption screen (21) 49
Insulin (21) 139, 173
Insulin absorption (21) 165
Internal standard (21) 23
Intestinal absorption (21) 49
Intestinal peptide absorption (21) 139
Iontophoresis (21) 187

Lysozyme (21) 191

Microencapsulation (21) 129
Microspheres (21) 165

Nasal delivery (21) 173
New drug delivery (21) 5
Niosome (21) 145
Non-peptide (21) 73

Oligopeptide (21) 155
Oral delivery (21) 145
Oxytocin (21) 105

Peptide (21) 11, 37, 63, 93, 187
Peptide and protein drugs (21) 5
Peptide drug (21) 145
Peptides and proteins (21) 129
Peptidomimetic (21) 73
Percutaneous absorption (21) 187
Pharmacodynamics (21) 5
Pharmacokinetics (21) 5
Plasma determination (21) 23
Poly(ortho esters) (21) 191
Prodrug (21) 63
Promoted absorption (21) 139
Protein (21) 11
Proteolytic enzyme (21) 63
Pulsatile release (21) 191

Radioimmunoassay (21) 23
Receptor (21) 73
Rectal absorption (21) 139
Reproduction (21) 105

Sample pretreatment (21) 37
Skin penetration (21) 187
Solid-phase extraction (21) 37
Stability (21) 11
Stress (21) 105
Structure (21) 11

Tissue determination (21) 23
Transdermal drug delivery (21) 187
TRH (21) 63

Vasopressin (21) 23

Journal of Controlled Release, 21 (1992) 217–218
© 1992 Elsevier Science Publishers B.V. All rights reserved 0168-3659/92/$05.00

Author Index Volume 21

Abstracts (21) 201
Anderson, P.S., see Bock, M.G. (21) 73

Björk, E., see Edman, P. (21) 165
Bock, M.G., DiPardo, R.M., Evans, B.E., Rittle, K.E., Veber, D.F., Whitter, W.L., Chang, R.S.L., Lotti, V.J., Anderson, P.S., Freidinger, R.M., Design of cholecystokinin peptidomimetics (21) 73
Bodmer, D., Kissel, T., Traechslin, E., Factors influencing the release of peptides and proteins from biodegradable parenteral depot systems (21) 129
Bouwstra, J.A., see Yoshida, H. (21) 145
Breimer, D.D., Pharmacokinetic and pharmacodynamic basis for peptide drug delivery system design (21) 5
Breimer, D.D., Verhoef, J.C., Guest Editorial (21) 3
Bundgaard, H., The utility of the prodrug approach to improve peptide absorption (21) 63

Causon, R.C., McDowall, R.D., Sample pretreatment techniques for the bioanalysis of peptides (21) 37
Cecchelli, R., see Dehouck, M.P. (21) 81
Chang, R.S.L., see Bock, M.G. (21) 73
Cogburn, J.N., see Schasteen, C.S. (21) 49
Cullander, C., see Green, P.G. (21) 187

De Kloet, E.R., Voorhuis, Th.A.M., Neuropeptides, steroid hormones, stress and reproduction (21) 105
Dehouck, B., see Dehouck, M.P. (21) 81
Dehouck, M.P., Méresse, S., Dehouck, B., Fruchart, J.C., Cecchelli, R., In vitro reconstituted blood-brain barrier (21) 81
DiPardo, R.M., see Bock, M.G. (21) 73
Donovan, M.G., see Schasteen, C.S. (21) 49

Edman, P., Björk, E., Rydén, L., Microspheres as a nasal delivery system for peptide drugs (21) 165
Ermisch, A., Rühle, H.-J., Peptide–blood-brain barrier interactions: kinetics and dynamics (21) 93
Evans, B.E., see Bock, M.G. (21) 73

Freidinger, R.M., see Bock, M.G. (21) 73
Fritzinger, B.K., see Wuthrich, P. (21) 191
Fruchart, J.C., see Dehouck, M.P. (21) 81
Furr, B.J.A., Hutchinson, F.G., A biodegradable delivery system for peptides: preclinical experience with the gonadotrophin-releasing hormone agonist Zoladex® (21) 117

Green, P.G., Hinz, R.S., Kim, A., Cullander, C., Yamane, G., Szoka Jr., F.C., Guy, R.H., Transdermal iontophoresis of amino acids and peptides in vitro (21) 187
Guy, R.H., see Green, P.G. (21) 187

Heller, J., see Wuthrich, P. (21) 191
Hinz, R.S., see Green, P.G. (21) 187
Hutchinson, F.G., see Furr, B.J.A. (21) 117

Jansen, P.S.L., see van den Oetelaar, P.J.M. (21) 11
Junginger, H.E., see Yoshida, H. (21) 145

Kim, A., see Green, P.G. (21) 187
Kissel, T., see Bodmer, D. (21) 129
Kok, W., see Yoshida, H. (21) 145

Lehr, C.-M., see Yoshida, H. (21) 145
Lotti, V.J., see Bock, M.G. (21) 73

McDowall, R.D., see Causon, R.C. (21) 37
Melgers, P.A.T.A., see van den Oetelaar, P.J.M. (21) 11
Méresse, S., Dehouck, M.P. (21) 81
Merkle, H.P., Wolany, G., Buccal delivery for peptide drugs (21) 155
Mérkus, F.W.H.M., see Schipper, N.G.M. (21) 173

Ng, S.Y., see Wuthrich, P. (21) 191

Rittle, K.E., see Bock, M.G. (21) 73
Romeijn, S.G., see Schipper, N.G.M. (21) 173
Roskos, K.V., see Wuthrich, P. (21) 191
Rühle, H.-J., see Ermisch, A. (21) 93
Rydén, L., see Edman, P. (21) 165
Schasteen, C.S., Donovan, M.G., Cogburn, J.A., A novel in vitro screen to discover agents which increase the absorption of molecules across the intestinal epithelium (21) 49
Schipper, N.G.M., Verhoef, J., Romeijn, S.G., Mérkus, F.W.H.M., Absorption enhancers in nasal insulin delivery and their influence on nasal ciliary functioning (21) 173
Szoka, Jr., F.C., see Green, P.G. (21) 187

ten Kortenaar, P.B.W., see van den Oetelaar, P.J.M. (21) 11
Ten Haaf, J.A., Terwel, D., Van de Heijning, B.J.M., Van Wimersma Greidanus, T.B., Radioimmunoassay, a goal or a tool? The setup of a reliable, fast, and cheap radioimmunoassay for vasopressin in biological samples (21) 23
Terwel, D., see Ten Haaf, J.A. (21) 23

Touitou, E., Enhancement of intestinal peptide absorption (21) 139
Traechslin, E., see Bodmer, D. (21) 129

van den Oetelaar, P.J.M., Jansen, P.S.L., Melgers, P.A.T.A., Wagenaars, G.N., ten Kortenaar, P.B.W., Stability assessment of peptide and protein drugs (21) 11
Van Wimersma Greidanus, T.B., see Ten Haaf, J.A. (21) 23
Van de Heijning, B.J.M., see Ten Haaf, J.A. (21) 23
Veber, D.F., see Bock, M.G. (21) 73
Verhoef, J.C., see Breimer, D.D. (21) 3
Verhoef, J., see Schipper, N.G.M. (21) 173
Verhoef, J.C., see Yoshida, H. (21) 145
Voorhuis, Th.A.M., see De Kloet, E.R. (21) 105

Wagenaars, G.N., see van den Oetelaar, P.J.M. (21) 11
Whitter, W.L., see Bock, M.G. (21) 73
Wolany, G., see Merkle, H.P. (21) 155
Wuthrich, P., Ng, S.Y., Fritzinger, B.K., Roskos, K.V., Heller, J., Pulsatile and delayed release of lysozyme from ointment-like poly(ortho esters) (21) 191

Yamane, G., see Green, P.G. (21) 187
Yoshida, H., Lehr, C.-M., Kok, W., Junginger, H.E., Verhoef, J.C., Bouwstra, J.A., Niosomes for oral delivery of peptide drugs (21) 145